

7/27/93

The  
United  
States  
of  
America



PTO-1584

PTO UTILITY GRANT  
Paper Number 1

The Commissioner of Patents  
and Trademarks

*Has received an application for a patent  
for a new and useful invention. The title  
and description of the invention are en-  
closed. The requirements of law have  
been complied with, and it has been de-  
termined that a patent on the invention  
shall be granted under the law.*

Therefore, this

United States Patent

*Grants to the person or persons having  
title to this patent the right to exclude  
others from making, using or selling the  
invention throughout the United States  
of America for the term of seventeen  
years from the date of this patent, sub-  
ject to the payment of maintenance fees  
as provided by law.*

*Michael R. Kirk*

Acting Commissioner of Patents and Trademarks

*Miscilla A. Keller*

Attest

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IN FILE

Int Fig.

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may be  
employees